Tracking the Gaps: Using Artificial Intelligence to Report and Visualize Drug Overdose Data in Mississippi

Fellow: Sai Kurmana

Mississippi State Department of Health
Group Members

ASTHO
Peer-to-Peer Fellowship Program

Michigan Department of Health and Human Services

Mississippi State Department of Health
Introduction
Background

Overview of the project

- “Drug Overdose Data and Opioid Prescribing Metrics” report tracking portal.
- Knowledge about technical, data, and resource requirements
- Capacity to build a statewide Environmental Public Health Tracking
Objectives

What we wanted to achieve

To obtain drug overdose mortality data from 2011-2018, and prepare the data according to National Tracking Program guidelines.

To obtain prescription pills metrics for the state, prepare the data for descriptive analysis, and identify emerging trends in the opioid prescribing process.

To create an opioid tracking reporting portal using a business intelligence software, which to be used to build buy-in for an environmental public health tracking network program for the health department.

To identify stakeholders to participate in an interdisciplinary/interagency Public Health Tracking workgroup.
Project Timeline

Phase 01
- 01
Review guidelines from the National Tracking Program

Phase 02
- 02
Request Data

Phase 03
- 03
Create Data files

Phase 04
- 04
Drill down measures and calculations for reporting data

Phase 05
- 05
Customizations and visualizations of data using BI software
Results (DEMO)
Conclusion
- Big data analysis
- Connects with any databases
- Intuitively faster to build reports
- Artificial Intelligence

Project highlights

- Extensive databases
- Knowledge and experience
- Using AI enabled data to support partnerships

Lesson Learned
Thank you!

Address
570 E WOODROW WILSON AVE JAKCSON MS 39216

Phone Number
601-576-8165

sai.kurmana@msdh.ms.gov